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Ref: 2023/DS022

TECHNICAL SPECIFICATIONS

NEOPRENE RUBBER CODE : NE 65150

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.5	DIN 53508	1.5
HARDNESS	ASTM D2240	65± 5 Sh A	DIN 53505	65 ± 5 Sh A
TENSILE STRENGTH(min)	ASTM D412	750 PSI	DIN 53504	50kg/cm^2
ELONGATION AT BREAK (min)	ASTM D412	250 %	DIN 53504	250 %
COMPRESSION SET (70^{0}C/ 24 HRS/ 25% SET) (max)	ASTM D395 METHOD B	40%	DIN 53517	40 %
TEAR RESISTANCE (Angular) min	ASTM D624	85 Lbs/ Inch	DIN 53515	15 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70^0 C)	ASTM D573			
---HARDNESS (Pts)		+5(Max)		+5 (Max)
---TENSILE STRENGTH (%)		+10/-25		+10/-25
---ELONGATION AT BREAK (%)		+10/-30		+10/-30
VOLUME SWELL : AT 70^{0}C FOR 72 HRS/IN	ASTM D471			
ASTM OIL NO. 1		+2%		+2%
ASTM OIL NO. 2		+12%		+12%
ASTM OIL NO. 3		+35%		+35%
POLYMER CONTENT (Chloroprene)		50%		50%
CHEMICAL RESISTANCE				
---OZONE	ASTM D1149	FAIR		FAIR
---DILUTE ACIDS AND BASES		GOOD		GOOD
---CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
---OILS		FAIR		FAIR
---SOLVENTS		FAIR		FAIR
TEMPRATURE RANGE		-30^{0}C to +100^{0}C		-30^{0}C to +100^{0}C
COLOUR		BLACK		BLACK

This data is recorded under control environment & at-most emphasis is given for the correctness, however doesn't purport to be exclusive. As observed in live working environment, particular operating conditions influence the properties & durability of product. We recommend users to themselves workout their specific applications & product efficiency.